

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

2012 SEP 10 PM 5:57

PERMITTEE NAME/ADDRESS

NAME: US Department of Interior Bureau of Reclamation
ADDRESS: 826 E FRONT STREET, SUITE A
PORT ANGELES, WA. 98362-3613
FACILITY: ELWHA WATER TREATMENT PLANT
LOCATION: Elwha River/ Lat: 48°10'10"N./Long:123°33'7"W
ATTN: DAVID F ADKINS, USBR CIVIL ENG

WA-002666-2

PERMIT NUMBER

*001

DISCHARGE NUMBER

2012 SEP 10 PM 5:57
Sedimentation Plant
(non-wastewater)

MONITORING PERIOD									
From	Year	Mo	Day		To	Year	Mo	Day	
	2012	8	1			2012	8	31	

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average Monthly	Maximum Daily	UNITS	Minimum	Average Monthly	Maximum Daily	UNITS			
Water Temperature Effluent 00010 1 0 0	Sample Measurement	*****	*****		*****	12.5	14	Deg. C	0	Daily	Grab
	Permit Requirement					Report	Report			5/Week	Grab
Water Temperature Influent 00010 7 0 0	Sample Measurement	*****	*****		*****	12.4	15.6	Deg. C	0	Daily	Grab
	Permit Requirement					Report	Report			5/Week	Grab
Flow Rate Effluent 00056 1 0 0	Sample Measurement	1.1	3.8		*****	*****	*****		0	Continuous	Recording
	Permit Requirement	Report	Report	CFS						Continuous	Recording
Flow Rate Influent 00056 7 0 0	Sample Measurement	53.3	63.9		*****	*****	*****		0	Continuous	Recording
	Permit Requirement	Report	Report	CFS						Continuous	Recording
Turbidity Influent 00070 7 0 0	Sample Measurement	*****	*****		*****	61.9	141	NTU	0	Continuous	Recording
	Permit Requirement					Report	Report			Continuous	Recording
Total Suspended Solids Daily Average Influent Turbidity > 50 NTU Influent 00150 P 0 0 See Comments Below	Sample Measurement	30,096	52,053	Lb/Day	*****	104	173	mg/L	0	Daily	24-Hr Composite
	Permit Requirement	Report	See I.B.3 & I.B.4			Report	Report			Daily	24-Hr Composite
Dissolved Oxygen Influent 00300 7 0 0	Sample Measurement	*****	*****		*****	7.7	8	mg/L	0	Daily	Grab
	Permit Requirement					Report	Report			1/Month	Grab
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Tom Hubbard		I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.					TELEPHONE		DATE		
TYPED OR PRINTED							503		582-9655		2012
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					Area Code	Number	Year	Mo	Day

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) 0 = Daily Avg. Influent From River Turbidity >50 NTU: P = Daily Avg. From River Turbidity <50

2012-09-10
10:17
A

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MONITORING PERIOD

From	Year	Mo	Day	To	Year	Mo	Day
	2012	8	1		2012	8	31

Sedimentation Plant
(non-wastewater)

PARAMETER		QUANTITY OR LOADING			Minimum	QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average Monthly	Maximum Daily	UNITS		Average Monthly	Maximum Daily	UNITS			
BOD, 5-Day Effluent 00310 1 0 0	Sample Measurement	*****	*****		*****	3	3	mg/L	0	1/ Month	Comp
	Permit Requirement					Report	Report			1/ Month	24- Hr Composite
PH Effluent 00400 1 0 0	Sample Measurement	*****	*****		*****	7.7	8	SU	0	Daily	Grab
	Permit Requirement					6.5 - 8.5	8.5			5/Week	Grab
PH Influent 00400 7 0 0	Sample Measurement	*****	*****		*****	7.8	8	SU	0	Daily	Grab
	Permit Requirement					6.5 - 8.5	8.5			5/Week	Grab
Total Alkalinity (As CAC03) Effluent 00410 1 0 0	Sample Measurement	*****	*****		*****	39.2	45	mg/L as CaCO ₃	0	Daily	Comp
	Permit Requirement					Report	Report			1/Month	24-Hr Comp
Total Solids Suspended Effluent 00530 0 0 0 Daily Average Influent Turbidity > 50 NTU See Comments Below	Sample Measurement	68,520	131,036		*****	1,909	5,475	mg/L	0	Daily	24-Hr Comp
	Permit Requirement	204,570	1,190,010	Lb/Day		Report	Report			Daily	24- Hr Composite
Total Suspended Solids Effluent 00530 P 0 0 Daily Average Influent Turbidity < 50 NTU See Comments Below	Sample Measurement	6.1	35.9	#/CFS River	*****	852	4971	mg/L	0	Day of Discharge	Comp
	Permit Requirement	Report	22			Report	Report			Daily	24- Hr Composite
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TYPED OR PRINTED						503	582-9655	2012	8	2	
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						AREA Code	NUMBER	Year	Mo	Day	

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) 0 = Daily Avg. Influent From River Turbidity >50 NTU; P = Daily Avg. From River Turbidity <50

Total Suspended Solids Effluent 00530 P 0 0 Daily Average Influent Turbidity < 50 NTU: Please note as indicated on 8-28 & 8-31- 2012 the effluent lbs / CFS increased. This increase was due to pump cloging with pass-through sediment. When working on the pumps to eliminate the blockage pass-through sediment was released creating the higher than expected volume. This higher than expected Lbs / river CFS is also compounded by the drop in river CFS that is used in the calculation when turbidity falls below 50 NTU. Preventive measures to eliminate the reoccurrence of clogging are to dilute the sediment with river water prior to discharge of the sediment back into the river.

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MONITORING PERIOD

From Year Mo Day To Year Mo Day
2012 8 1 2012 8 31

Sedimentation Plant
(non-wastewater)

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average Monthly	Maximum Daily	UNITS	Minimum	Average Monthly	Maximum Daily	UNITS			
Total Suspended Solids Influent 00530 7 0 0 Daily Average Influent Turbidity < 50 NTU See Comments Below	Sample Measurement	13.3	20.4	Lb/CFS River	*****	33.7	53	mg/L	0	Day of Discharge	Comp
	Permit Requirement	Report	22			Report	Report			Daily	24-Hr Composite
Settleable Solids Effluent 00545 1 0 0	Sample Measurement	*****	*****		*****	7	7	ml/L	0	1/Month	Comp
	Permit Requirement					Report	Report			1/Month	24-Hr Composite
Settleable Solids Influent 00545 7 0 0	Sample Measurement	*****	*****		*****	<1	<1	ml/L	0	1/Month	Comp
	Permit Requirement					Report	Report			1/Month	24-Hr Composite
Aluminum, Total (As AL) Effluent 01105 1 0 0	Sample Measurement	679.8	679.8	lb/Day	*****	33	33	mg/L	0	1/Month	Comp
	Permit Requirement	Report	Report			Report	Report			1/Month	24-Hr Composite
Aluminum, Total (As AL) Influent 01105 7 0 0	Sample Measurement	312	312	lb/Day	*****	1.2	1.2	mg/L	0	1/Month	Comp
	Permit Requirement	Report	Report			Report	Report			1/Month	24-Hr Composite
Fecal Coliform Effluent 31625 1 0 0	Sample Measurement	*****	*****		*****	24.5	38	#/100 ML	0	10/ Month	Grab
	Permit Requirement					Report	Report			10/ Month	Grab
Fecal Coliform Influent 31625 7 0 0	Sample Measurement	*****	*****		*****	5.5	6	#/100 ML	0	10/ Month	Grab
	Permit Requirement					Report	Report			10/ Month	Grab
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TYPED OR PRINTED							503	582-9655	2012	8	2
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From Year Mo Day To Year Mo Day
 2012 8 1 2012 8 31

Sedimentation Plant
(non-wastewater)

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average Monthly	Maximum Daily	UNITS	Minimum	Average Monthly	Maximum Daily	UNITS			
Total Dissolved Solids Effluent 70295 1 0 0	Sample Measurement	*****	*****		*****	87.5	92	mg/L	0	4/Month	Comp
	Permit Requirement					Report	Report			1/Month	24-Hr Composite
Total Dissolved Solids Influent 70295 7 0 0	Sample Measurement	*****	*****		*****	80.3	87.5	mg/L	0	4/Month	Comp
	Permit Requirement					Report	Report			1/Month	24-Hr Composite
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TYPED OR PRINTED					503	582-9655	2012	8	2		
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					AREA Code	NUMBER	Year	Mo	Day		

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

ELWHA NPDES REPORTING - SLURRY DISCHARGE - WA-002666-2

Aug-12

INFLUENT TURBIDITY LESS THAN 50 NTU

Day	Influent Turbidity - 13	Flow, Daily, Influent 3000		flow/daily, at outfall 3078	flow/daily at outfall cal	River Flow, 1	TSS Influent, 8	TSS Influent Mass_Calc	TSS Effluent 5002	TSS Effluent Mass_Calc	TSS Influent CFS River calc	TSS Effluent CFS River calc
	NTU	MGD	CFS	MGD	CFS	CFS	mg/L	Lbs/Day	mg/L	Lbs/Day	Lbs/CFS	Lbs/CFS
8/18/2012	45.90	32.8	50.8	0.64	0.99	994	53	14,511	1,181	6,304	14.6	6.3
8/19/2012	39.00	33.3	51.5	0.58	0.90	953	43	11,915	1,068	5,166	12.5	5.4
8/20/2012	37.00	37.5	58.1	1.36	2.10	913	49	15,341	564	6,397	16.8	7.0
8/21/2012	30.80	34.2	52.9	0.45	0.70	828	41	11,687	1,206	4,526	14.1	5.5
8/22/2012	36.95	38.7	59.9	0.15	0.23	696	19	6,132	71	89	8.8	0.1
8/23/2012	26.50	34.7	53.7	0.00	0.00	661	16	4,691	0	0	7.1	0.0
8/24/2012	29.00	31.4	48.6	0.00	0.00	628	49	12,843	0	0	20.5	0.0
8/25/2012	22.00	30.5	47.2	0.00	0.00	591	31	7,938	0	0	13.4	0.0
8/26/2012	24.00	31.7	49.0	0.00	0.00	582	41	10,827	0	0	18.6	0.0
8/27/2012	19.10	32.0	49.5	0.00	0.00	608	28	7,471	0	0	12.3	0.0
8/28/2012	23.00	36.1	55.9	0.60	0.93	575	33	9,998	2,868	14,351	17.4	25.0
8/29/2012	29.50	33.0	51.0	0.00	0.00	565	32	8,887	0	0	15.7	0.0
8/30/2012	26.50	33.6	52.0	0.00	0.00	550	20	5,604	0	0	10.2	0.0
8/31/2012	17.40	33.7	52.1	0.46	0.71	531	16	4,547	4,971	19,071	8.6	35.9
DAILY MAX	45.90	38.70	59.87	1.36	2.10	994.00	53.00	15341.10	4971.00	19070.74	20.45	35.9
AVERAGE	29.05	33.80	52.30	0.30	0.47	691.07	33.71	9456.66	852.07	3993.15	13.61	6.09

Note:

ELWHA_Aug 2012 - WA-002666-2

INFLUENT TURBIDITY ABOVE 50 NTU

Day	Influent Turbidity - 13	Flow, Daily, Influent 3000		flow/daily, at outfall 3078	flow/daily at outfall cal	River Flow, 1	TSS Influent, 8	TSS Influent Mass_Calc	TSS Effluent 5002	TSS Effluent Mass_Calc	Mass Limit_calc
	NTU	MGD	CFS	MGD	CFS	CFS	mg/L	Lbs/Day	mg/L	Lbs/Day	lbs/day
8/1/2012	141.00	36.7	56.9	1.71	2.65	1,280	138	42,294	1,672	23,845	97,540
8/2/2012	115.00	26.7	41.3	0.55	0.85	1,320	122	27,137	2,402	11,018	87,574
8/3/2012	125.00	32.0	49.5	1.25	1.93	1,280	122	32,524	1,582	16,492	85,719
8/4/2012	136.00	32.3	49.9	1.34	2.07	1,280	130	34,994	1,473	16,462	91,446
8/5/2012	116.00	36.1	55.8	1.34	2.07	1,380	173	52,053	1,294	14,461	131,036
8/6/2012	114.00	27.5	42.6	1.16	1.79	1,490	123	28,246	1,384	13,389	100,268
8/7/2012	104.60	37.5	58.0	1.30	2.01	1,340	102	31,900	1,290	13,986	75,018
8/8/2012	79.40	41.3	63.9	0.32	0.50	1,290	82	28,258	1,592	4,249	57,361
8/9/2012	69.80	38.3	59.2	0.79	1.22	1,100	66	21,064	1,306	8,605	39,680
8/10/2012	89.00	40.0	61.8	1.19	1.84	1,090	99	33,002	5,475	54,337	59,347
8/11/2012	57.00	31.1	48.1	0.54	0.84	1,030	116	30,166	1,785	8,039	65,259
8/12/2012	63.60	36.2	56.0	0.62	0.96	994	93	28,156	2,013	10,409	50,608
8/13/2012	51.70	31.1	48.2	2.47	3.82	994	52	13,502	1,248	25,709	29,084
8/14/2012	54.00	35.8	55.5	0.61	0.94	986	61	18,231	1,150	5,851	32,819
8/15/2012	65.00	40.4	62.5	0.65	1.01	1,090	83	27,970	1,987	10,772	49,346
8/16/2012	65.50	38.6	59.7	0.60	0.93	978	89	28,627	2,050	10,258	47,490
8/17/2012	65.40	33.6	52.0	0.68	1.05	1,000	119	33,505	2,742	15,550	65,250
DAILY MAX	141.00	41.3	63.9	2.47	3.82	1,490	173	52,053	5,475	54,337	131,036
AVERAGE	88.94	35.0	54.2	1.01	1.56	1,172	104	30,096	1,909	15,496	68,520



2012 SEP 10 PM 5: 57

September 5, 2012

US EPA Region 10
Director, Office of Compliance & Enforcement
1200 Sixth Avenue, OCE-133
Seattle, Washington 98101

**RE: NPDES # WA-002666-2, MONTHLY REPORT – AUGUST, 2012 - ELWHA
WATER TREATMENT PLANT**

Attn: PCS Data Entry Team

Enclosed is the monthly Discharge Monitoring Report (DMR) for the Elwha Water Treatment Plant (Port Angeles, WA), for the month of August, 2012. The report is being submitted by Veolia Water North America (VWNA) Operating Services on behalf of the US Department of Interior, Bureau of Reclamation. A copy has been submitted to the Washington DOE.

Please contact me if there are any questions or comments regarding the enclosed forms and report.

Sincerely,

A handwritten signature in black ink, appearing to read 'Tom Hubbard'.

Tom Hubbard
Project Manager

CC: Tracy Gilchrist, NPS

Enclosures:

- DMR, August, 2012; EPA Form 3320-1 (4 pages)
- Table of values & mass limits for turbidity over and under 50 NTU